Use Attainability Analysis

for

WBID 1015 Bear Creek

Submitted by SES, Inc.

To Missouri Department of Natural Resources Water Protection Program

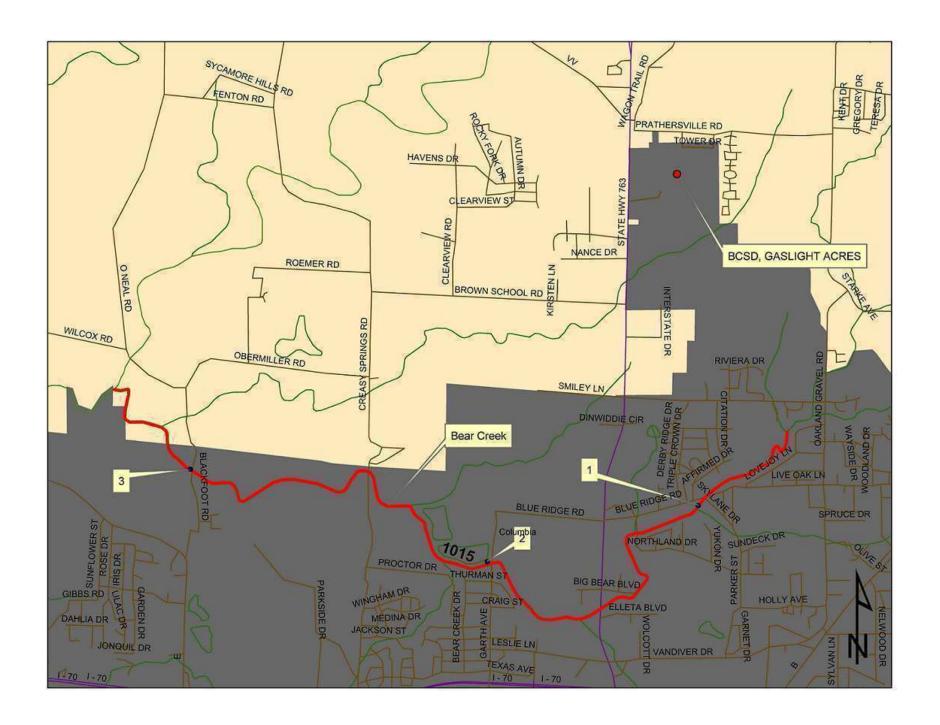
Date Received: June 3, 2007

Field Data Sheets for Recreation Use Stream Surveys Data Sheet A - Water Body Identification

(For water body being surveyed)

Water Body Information

Water Body Name:	Bear Creek	WBID:	1015	
8 digit HUC code:	10300102	County:	Boone	
Upstream Legal Des	cription			
45N 15W SEC16	•			
Downstream Legal D	escription			
46N 14W SEC19				
Number of Sites Eval	luated			
	listed upstream to downstream			
1,2,3	noted apolicam to downordam			
,,_,				
Discharger Facility	Information			
zicemanger i demity				
Discharger Facility N	ame(s):			
	BCSD, Gaslight Acres			
Discharger Permit Nu				
	MO 0086606			
UAA Surveyor				
_				
Name of Surveyor:			e Number:	
Gilisa Gould	050.1	913-307-	0054	
Organization/Employ	er: SES, Inc.			
Position: Field Tea	m Leader			
Signed:		Dat	<u>e</u> :	
3				



Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization (must be completed for each site)

WBID 1015 Site # 1

Date and Time: 5-23-07 12:10pm

Current Weather Conditions

clear

Weather Conditions for Past 10 days: Clear with sprinkles on n 5-22-07

Drought Conditions? No

Site Location (e.g. road crossing)

Blue Ridge Crossing upper most upstream

GPS Mark:

12

Upstream Photo Downstream Photo

32 31

Uses Observed (Uses actually observed at time of survey) Circle

Swimming Skin Diving SCUBA diving Tubing

Water Skiing Wind Surfing Kayaking Boating

Wading Rafting Hunting Trapping

Fishing None of the Above Other

Surrounding Conditions

City/county parks Playgrounds MDC conservation lands Urban areas

Campgrounds Boating accesses State parks National Forests

Nature trails Stairs/walkway No trespass sign Fence

Steep slopes None of the Above Other (Bridge Pic #34)

Indications of Human Use

Roads Rope swings Footpaths/prints pic 35 Dock/platform

Livestock Watering RV/ATV Tracks Camping Sites Fire pit/ring

NPDES Discharge Fishing Tackle Other:

WBID # Mark # Upstream \	1015 12 Views Phy			1 Oxygen (p Is there ar		10 resent at this	view?
				If so, is the	re an obv	ious current?	yes Y
Select one		owing chainel Feature		es:			
Riffle	70 OI OIIGIII	45%					
Run		0					
Pool		55					
Downstream View's Physical Dimensions: Is there any water present at this view? If so, is there an obvious current?							view?
Г							
l l							
Substrate: % Cobble 9 % Mud/Clay	/	% Gravel % Bedrock	<u> </u>	% Sand	gal growi	% Silt	essment site)
	<u></u>						· · · · · · · · · · · · · · · · · · ·
Water Cha	racteristics	5					
Odor		Sewage	Musky	Chemical	None	Other	
Color		Clear	Green	Gray	Milky	Other	
Bottom Dep	osit	Sludge	Solids	Fine Sed.	None	Other	
Surface De	posit	Oil	Scum	Foam	None	Other	

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth) (Median Depth Shown in Bold)

Site # 1 Mark # 12 1015_Bear Creek_Boone

_	Depth (m)		Depth (m)
Transect 1	0.00	Transect 5	0.50
Substrate:	0.00	Substrate:	0.10
cobble	0.00	cobble/gravel	0.15
Water Clarity:	0.50	Water Clarity:	0.25
clear	0.00	clear	0.30
Channel Feature:	0.00	Channel Feature:	0.40
riffle	0.00	pool	0.50
Channel Width:	0.00	Channel Width:	0.60
9.00	0.00	10.00	0.30
0.00		0.30	0.10
Transect 2	0.10	Transect 6	0.00
Substrate:	0.20	Substrate:	0.15
cobble/gravel	0.30	cobble/gravel	0.15
Water Clarity:	0.40	Water Clarity:	0.50
clear	0.50	clear	0.00
Channel Feature:	0.60	Channel Feature:	0.00
pool	0.85	pool	0.00
Channel Width:	0.85	Channel Width:	0.00
8.00	0.70	13.00	0.00
0.45	0.40	0.00	0.20
Transect 3	0.00	Transect 7	0.00
Substrate:	0.50	Substrate:	0.00
cobble/gravel	0.15	cobble	0.00
Water Clarity:	0.25	Water Clarity:	0.00
clear	0.25	clear	0.00
Channel Feature:	0.25	Channel Feature:	0.00
pool	0.30	riffle	0.00
Channel Width:	0.25	Channel Width:	0.00
10.00	0.25	8.00	0.50
0.25	0.00	0.00	0.50
Transect 4	0.50	Transect 8	0.00
Substrate:	0.50	Substrate:	0.10
cobble/gravel	0.10	cobble	0.20
Water Clarity:	0.00	Water Clarity:	0.50
clear	0.10	clear	0.30
Channel Feature:	0.15	Channel Feature:	0.30
pool	0.15	pool	0.40
Channel Width:	0.10	Channel Width:	0.20
10.00	0.10	5.00	0.10
0.13	0.30	0.25	0.50

	Depth (m)
Transect 9	0.50
Substrate:	0.50
cobble	0.15
Water Clarity:	0.15
clear	0.20
Channel Feature:	0.50
riffle	0.15
Channel Width:	0.10
7.00	0.10
0.15	0.00
Transect 10	0.00
Substrate:	0.50
cobble	0.10
Water Clarity:	0.50
clear	0.50
Channel Feature:	0.10
riffle	0.15
Channel Width:	0.10
6.00	0.00
0.10	0.00
Transect 11	0.00
Substrate:	0.00
cobble	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.50
riffle	0.10
Channel Width:	0.15
6.00	0.10
0.05	0.50

Site Median Site Maximum 0.15 0.85

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization (must be completed for each site)

WBID 1015 Site # 12

Date and Time: 5-23-07 1:17pm

Current Weather Conditions

clear

Weather Conditions for Past 10 days:

sprinkles on 5-22-.7 Drought Conditions? No

Site Location (e.g. road crossing)

crossing at garth rd.

GPS Mark:

13

Upstream Photo Downstream Photo

36 37

Uses Observed (Uses actually observed at time of survey) Circle

Swimming Skin Diving SCUBA diving Tubing

Water Skiing Wind Surfing Kayaking Boating

Wading Rafting Hunting Trapping

Fishing None of the Above Other

Surrounding Conditions

City/county parks Playgrounds MDC conservation lands Urban areas

Campgrounds Boating accesses State parks National Forests

Nature trails Stairs/walkway No trespass sign Fence

Steep slopes None of the Above Other

Indications of Human Use

Roads Rope swings Foot paths/prints Dock/platform

Livestock Watering RV/ATV Tracks Camping Sites Fire pit/ring

NPDES Discharge Fishing Tackle Other: none

WBID#	1015		Site #	2			
Mark #	13		Dissolved	Oxygen (p	pm)	9	
Upstream Views Physical Dimensions:			Is there any water present at this view?				
•	•						У
				If so, is the	re an obv	ious current?	,
				00, .00			у
Select one	of the follo	owing chai	nnel feature	, e.			,
Ocicot one		nel Feature					
Riffle	70 OI CHAIN	55				I	
		0					
Run							
Pool		45					
Downstrea	am View's I	Physical Di	mensions:			resent at this vious current?	view? y
						•	
Substrate:	65	% Gravel	10	% Sand		% Silt	
% Mud/Cla		% Bedrock	25				
% Muu/Cla	ıy	% Bedrock	. 25	-			
Aquatic V	egetation: ((Note amou	unt of veget	ation or al	gal growt	th at the asse	essment site)
			about	: 20% algal	growth		
Water Cha	ıracteristic	S					
Odor		Sewage	Musky	Chemical	None	Other	
Color		Clear	Green	Gray	Milky	Other	
Bottom De	posit	Sludge	Solids	Fine Sed.	None	Other orang	re/red deposits
Surface De	eposit	Oil	Scum	Foam	None	Other	

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth) (Median Depth Shown in Bold)

Site # 2 Mark # 13 1015_Bear Creek_Boone

Transect 1 0.00 Substrate: 0.15 cobble/bedrock 0.15 Water Clarity: 0.15 clear 0.50 Channel Feature: 0.00 pool 0.10 Channel Width: 0.15 10.00 0.10 0.15 0.50 Transect 2 0.15 Substrate: 0.20 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 0.10 0.10 Transect 4 0.10 Substrate: 0.20 <th></th> <th>Depth (m)</th> <th></th>		Depth (m)	
cobble/bedrock 0.15 cc Water Clarity: 0.15 cc clear 0.50 Channel Feature: 0.00 pool 0.10 Channel Width: 0.15 Channel Width: 10.00 0.15 0.50 Channel Width: 0.20 cobble 0.00 Channel Width: 0.00 Channel Feature: 0.50 Channel Width: 0.00 Channel Width: 0.20 Channel Width: 0.50 Channel Width: 0.50 Channel Width: 0.50	Transect 1	0.00	
Water Clarity: 0.15 clear 0.50 Channel Feature: 0.00 pool 0.10 Channel Width: 0.15 10.00 0.10 0.15 0.50 Transect 2 0.15 Substrate: 0.20 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: <	Substrate:	0.15	
Clear 0.50 Channel Feature: 0.00 pool 0.10 Channel Width: 0.15 10.00 0.10 0.15 0.50 Transect 2 0.15 Substrate: 0.20 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Width: 0.00 Channel Width: 0.00 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Feature: <td< td=""><td>cobble/bedrock</td><td>0.15</td><td>cc</td></td<>	cobble/bedrock	0.15	cc
Channel Feature: 0.00 Channel Channel Channel Channel Width: 0.15 Channel C	Water Clarity:	0.15	,
Dool Double Dou	clear	0.50	
Channel Width: 0.15 Channel Width: 0.15 Channel Width: 0.10 0.10 0.10 0.10 0.10 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Channel Feature:	0.00	Cha
10.00 0.15 0.50 Transect 2 Substrate: Cobble Cobble Channel Feature: 12.00 0.08 Transect 3 Substrate: Cobble Water Clarity: Cobble 0.00 Channel Feature: 12.00 0.08 0.08 Transect 3 Substrate: Cobble Channel Feature: 0.50 Channel Feature: 0.10 Cobble Channel Feature: 0.00 Channel Feature: 0.00 Channel Feature: 0.00 Channel Feature: 0.00 Channel Width: 0.00 Channel Feature: 0.20 Channel Feature: 0.50 Channel Width: 0.	pool	0.10	
Transect 2 0.15 Substrate: 0.20 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 12.00 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	Channel Width:	0.15	Cl
Transect 2 0.15 Substrate: 0.20 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 12.00 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	10.00	0.10	
Substrate: 0.20 cobble 0.00 Water Clarity: 0.00 clear 0.50 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 12.00 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	0.15	0.50	
cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 12.00 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	Transect 2	0.15	
Water Clarity: 0.00 clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 12.00 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	Substrate:	0.20	
clear 0.00 Channel Feature: 0.50 riffle 0.50 Channel Width: 0.00 12.00 0.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	cobble	0.00	
Channel Feature: 0.50 Channel riffle 0.50 Channel riffle 0.50 Channel riffle 0.00 Channel riffle 0.00 Channel riffle 0.50 Channel riffle 0.00 Channel riffle Channel riffle 0.00 Channel riffle 0.00 Channel riffle Channel riffle 0.00 Channel riffle Channel riffle <td>Water Clarity:</td> <td>0.00</td> <td>1</td>	Water Clarity:	0.00	1
riffle	clear	0.00	
Channel Width: 0.00 Channel Width: 12.00 0.00 0.00 0.08 0.50 0.50 Transect 3 0.50 0.00 Substrate: 0.10 0.00 Cobble 0.00 0.00 Water Clarity: 0.00 0.00 Channel Width: 0.00 0.50 12.00 0.50 0.00 Transect 4 0.10 0.20 Substrate: 0.20 0.20 bedrock/cobble 0.20 0.20 Water Clarity: 0.20 0.25 Channel Feature: 0.20 0.50 Channel Width: 0.50 0.50 Channel Width: 0.50 0.50	Channel Feature:	0.50	Cha
12.00 0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 Channel Feature: 0.00 Channel Width: 0.00 0.00 Transect 4 Substrate: 0.20 bedrock/cobble Water Clarity: 0.20 Channel Feature: 0.20 Channel Width: 0.50 Channel Width: 0.50 Channel Width: 0.50 Channel Width:	riffle	0.50	
0.08 0.50 Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 Channel Vidth: pool 0.50 Channel Vidth: 7.00 0.50 Channel Vidth:	Channel Width:	0.00	Cl
Transect 3 0.50 Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 Clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50	12.00	0.00	
Substrate: 0.10 cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50	0.08	0.50	
cobble 0.00 Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 Channel Width: 0.50	Transect 3	0.50	
Water Clarity: 0.00 clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50	Substrate:	0.10	
clear 0.00 Channel Feature: 0.00 riffle 0.00 Channel Width: 0.00 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50	cobble	0.00	
Channel Feature: 0.00 Channel riffle 0.00 Channel riffle 0.00 Channel riffle 0.00 Channel riffle Channel riffle 0.00 Channel riffle	Water Clarity:	0.00	1
riffle 0.00 Channel Width: 0.00 12.00 0.00 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 Channel Width: 0.50 Transect 4 0.10 Channel Width: 0.50 Channel Width: 0.50 Transect 4 0.10 Channel Width: 0.50 Transect 4 0.10 Channel Width: 0.50 Channel Width: 0.50 Transect 4 0.10 0.50 Channel Width: 0.50 Channel Width: 0.50 Transect 4 0.10 0.10 Channel Width: 0.50 Channel Width: 0.50 Transect 4 0.10 0.10 Channel Width: 0.50 Transect 4 0.10 0.10 Channel Width: 0.50 Transect 4 Channel Width: 0.50	clear	0.00	
Channel Width: 0.00 Channel Width: 12.00 0.50 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50	Channel Feature:	0.00	Cha
12.00 0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 Channel Width: 0.50 7.00 0.50	riffle	0.00	
0.00 0.10 Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 Channel Chan		0.00	Cl
Transect 4 0.10 Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50			
Substrate: 0.20 bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 pool 0.50 Channel Width: 0.50 7.00 0.50	0.00	0.10	
bedrock/cobble 0.20 Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 Channel Chann	Transect 4		
Water Clarity: 0.20 clear 0.25 Channel Feature: 0.20 Chapool pool 0.50 Channel Width: 0.50 Chapool 7.00 0.50	Substrate:	0.20	
clear 0.25 Channel Feature: 0.20 Channel		0.20	
Channel Feature: 0.20 Channel Feature: pool 0.50 Channel Width: 0.50 Channel Feature: 7.00 0.50	Water Clarity:	0.20	'
pool 0.50 Channel Width: 0.50 7.00 0.50	clear	0.25	
Channel Width: 0.50 Cl	Channel Feature:	0.20	Cha
7.00 0.50	pool	0.50	
			Cl
0.23 0.50			
	0.23	0.50	

	Depth (m)
Transect 5	0.50
Substrate:	0.10
cobble/bedrock	0.15
Water Clarity:	0.25
clear	0.50
Channel Feature:	0.50
riffle	0.00
Channel Width:	0.50
7.00	0.50
0.50	0.50
Transect 6	0.00
Substrate:	0.10
bedrock	0.50
Water Clarity:	0.10
clear	0.50
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
7.00	0.00
0.00	0.00
Transect 7	0.00
Substrate:	0.50
bedrock	0.10
Water Clarity:	0.00
clear	0.10
Channel Feature:	0.15
riffle	0.10
Channel Width:	0.10
7.00	0.50
0.10	0.00
Transect 8	0.50
Substrate:	0.10
cobble	0.00
Water Clarity:	0.00
clear	0.00
Channel Feature:	0.00
riffle	0.00
Channel Width:	0.00
8.00	0.10

_	Depth (m)
Transect 9	0.00
Substrate:	0.00
cobble/bedrock	0.00
Water Clarity:	0.10
clear	0.50
Channel Feature:	0.15
pool	0.20
Channel Width:	0.50
8.00	0.00
0.13	0.20
Transect 10	0.00
Substrate:	0.00
gravel/bedrock	0.50
Water Clarity:	0.50
clear	0.10
Channel Feature:	0.10
pool	0.10
Channel Width:	0.10
5.00	0.50
0.10	0.50
Transect 11	0.00
Substrate:	0.50
bedrock	0.10
Water Clarity:	0.15
clear	0.20
Channel Feature:	0.25
pool	0.10
Channel Width:	0.10
5.00	0.50
0.18	0.50

Site Median Site Maximum 0.10 0.50

0.10

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization (must be completed for each site)

WBID 1015 Site # 3

Date and Time:

5/23/2007 14:15 Current Weather Conditions

clear

Weather Conditions for Past 10 days:

sprinkles on 5-22-07

Drought Conditions? No

Site Location (e.g. road crossing)

blackfoot crossing

GPS Mark:

14

Upstream Photo Downstream Photo 38

Uses Observed (Uses actually observed at time of survey) Circle

Swimming Skin Diving SCUBA diving Tubing

Water Skiing Wind Surfing Kayaking Boating

Wading Rafting Hunting Trapping

Fishing None of the Above Other

Surrounding Conditions

City/county parks Playgrounds MDC conservation lands Urban areas

Campgrounds Boating accesses State parks National Forests

Nature trails Stairs/walkway No trespass sign Fence

Steep slopes None of the Above Other

Indications of Human Use

Roads Rope swings Foot paths/prints Dock/platform

Livestock Watering RV/ATV Tracks Camping Sites Fire pit/ring

NPDES Discharge Fishing Tackle Other:

Mark # 14 Dissolved Oxygen (ppm) 7.3						
Upstream Views Physical Dimensions: Is there any water present at this view?						
					у	
		If so, is the	re an obv	ious current?		
					У	
	ne following channel fe	eatures:				
	Channel Feature	<u> </u>	I	1		
Riffle	25					
Run	0					
Pool	75					
Downstream V	ew's Physical Dimens	ions: Is there an	y water p	resent at this	view?	
	-			у		
		If so, is the	re an obv	ious current?		
				У		
Substrate:						
% Cobble 15	% Gravel	% Sand 8	5	% Silt		
76 CODDIE 15	76 Graver	70 Sanu o	<u> </u>	/6 SIIL		
% Mud/Clay	% Bedrock					
70 Widd/Glay	70 Boarook					
Aquatic Vegeta	tion: (Note amount of	vegetation or al	aal arow	th at the ass	essment site)	
	(<u> </u>			
L						
Water Characte	eristics					
Odor	Sewage Musk	y Chemical	None	Other		
Color	Clear Gree	n Gray	Milky	Other		
Bottom Deposit	Sludge Solids	Fine Sed.	None	Other		
Surface Deposit	Oil Scum	Foam	None	Other		
				0 11.01		

3

WBID#

1015

Site #

Data Sheet C: Cross-Sectional Depth Measurements (for estimation of median depth) (Median Depth Shown in Bold)

Depth (m)

Depth (m)

Site # 3 Mark # 14 1015_Bear Creek_Boone

Depth (m)

Deptii (III)	-	Deptil (III)	•	Deptil (III)
0.15	Transect 5	0.10	Transect 9	0.50
0.15	Substrate:	0.20	Substrate:	0.00
0.15	sand	0.25	sand	0.00
0.15	Water Clarity:	0.20	Water Clarity:	0.00
0.15	clear	0.20	clear	0.50
0.15	Channel Feature:	0.20	Channel Feature:	0.10
0.10	pool	0.15	pool	0.35
0.50	Channel Width:	0.10	Channel Width:	0.35
0.00	9.00	0.00	8.00	0.35
0.00	0.18	0.10	0.35	0.35
0.50	Transect 6	0.00	Transect 10	0.50
0.20	Substrate:	0.50	Substrate:	0.50
0.20	sand	0.15	sand	0.20
0.20	Water Clarity:	0.20	Water Clarity:	0.20
0.25	clear	0.30	clear	0.30
0.25	Channel Feature:	0.35	Channel Feature:	0.40
0.00	pool	0.45	pool	0.50
0.00	Channel Width:	0.50	Channel Width:	0.50
0.15	5.00	0.60	5.00	0.55
0.15	0.40	0.45	0.48	0.45
0.50	Transect 7	0.50	Transect 11	0.50
0.50	Substrate:	0.50	Substrate:	0.10
0.10	sand	0.50	sand	0.15
0.10	Water Clarity:	0.50	Water Clarity:	0.20
0.50	clear	0.50	clear	0.20
0.15	Channel Feature:	0.10	Channel Feature:	0.25
0.10	pool	0.15	pool	0.30
0.50	Channel Width:	0.20	Channel Width:	0.35
0.50	11.00	0.20	5.00	
0.00	0.35	0.15	0.28	0.35
0.10	Transect 8	0.00		
0.10	Substrate:	0.00	Site Median	Site Maximum
0.10	cobble	0.50	0.20	0.60
0.15	Water Clarity:	0.50		
0.25	clear	0.10		
0.25	Channel Feature:	0.10		
0.20	riffle	0.15		
0.20	Channel Width:	0.10		
0.25	2.00	0.10		
0.20	0.10	0.50		
	0.15	0.15 Transect 5 0.15 Substrate: 0.15 Water Clarity: 0.15 Channel Feature: 0.15 Channel Feature: 0.10 pool 0.50 Channel Width: 0.00 9.00 0.00 9.00 0.00 9.00 0.00 Substrate: 0.20 Substrate: 0.20 Water Clarity: 0.25 clear 0.25 Channel Feature: 0.00 pool 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.15 0.40 0.10 Water Clarity: 0.20 clear 0.10 Channel Feature: 0.10 0.50 0.10 <	0.15 Transect 5 0.10 0.15 Substrate: 0.20 0.15 sand 0.25 0.15 Water Clarity: 0.20 0.15 Clear 0.20 0.15 Channel Feature: 0.20 0.10 pool 0.15 0.50 Channel Width: 0.10 0.00 9.00 0.00 0.00 0.00 0.00 0.00 0.18 0.10 0.00 0.00 0.00 0.00 0.18 0.10 0.20 Substrate: 0.50 0.20 Substrate: 0.50 0.20 Water Clarity: 0.20 0.20 Water Clarity: 0.20 0.25 Channel Feature: 0.35 0.00 Dear 0.35 0.00 Channel Width: 0.50 0.15 0.40 0.45 0.50 Substrate: 0.50 0.50 Channel Feature:	0.15

WBID# 1015



Site# 1 Photo ID# 32, Upstream



Site# 1 Photo ID# 34, Bridge



Site# 1 Photo ID# 31, Downstream



Site# 1 Photo ID# 35, Footpath / footprints

WBID# 1015



Site# 2 Photo ID# 36, Upstream



Site# 3 Photo ID# 38, Upstream



Site# 2 Photo ID# 37, Downstream



Site# 3 Photo ID# 39, Downstream